

SEQUENCE LISTING



>10> Ziwei Huang
Jiansong Luo
Zhaowen Luo
Neming Zhou

>120> A Novel Peptide Antagonist of CXCR4
Derived from the N-Terminus of Viral Chemokine vMIP-II

<130> HUA01-NP007

<140> 09/773,830
<141> 2001-02-01

<150> 60/180,487
<151> 2000-02-03

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<223> v-MIPII derived peptide

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Leu Gly Ala Ser Trp His Arg Pro Asp Lys Cys Cys Leu Gly Tyr Gln
1 5 10 15
Lys Arg Pro Leu Pro Gln Val Leu Leu Ser Ser Trp Tyr Pro Thr Ser
20 25 30
Gln Leu Cys Ser Lys Pro Gly Val Ile Phe Leu Thr Lys Arg Gly Arg
35 40 45
Gln Val Cys Ala Asp Lys Ser Lys Asp Trp Val Lys Lys Leu Met Gln
50 55 60
Gln Leu Pro Val Thr Ala Arg
65 70

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Leu Gly Ala Ser Trp His Arg Pro Asp Lys Cys Cys Leu Gly Tyr Gln

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Lys Arg Pro Leu Pro
20

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His Arg Pro Asp Lys Cys Cys Leu Gly Tyr Gln Lys Arg
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Leu Gly Ala Ser Trp His Arg Pro Asp Lys
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Leu Gly Tyr Gln Lys Arg Pro Leu Pro Gln Val Leu Leu Ser Ser Trp
1 5 10 15
Tyr Pro Thr Ser Gln Leu
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Lys Pro Val Ser His Arg Pro Asp Lys Cys Cys Leu Gly Tyr Gln Lys
1 5 10 15
Arg Pro Leu Pro
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Gln Val Leu Leu Ser Ser Trp Tyr Pro Thr Ser Gln Leu Cys Ser Lys
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Pro Gly Val Ile Phe Leu Thr
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<400> 8
Ser Lys Pro Gly Val Ile Phe Leu Thr Lys Arg Gly Arg Gln Val Cys
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Ala Asp Lys Ser Lys Asp
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Ala Asp Lys Ser Lys Asp Trp Val Lys Lys Leu Met Gln Gln Leu Pro
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Val Thr Ala Arg
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Cys Thr Ser Gln Leu Ala Ser Lys Pro Gly Cys
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Cys Phe Leu Thr Lys Arg Gly Arg Gln Val Cys
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Leu Gly Ala Ser Trp His Arg Pro Asp Lys Ala Ala Leu Gly Tyr Gln
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Lys Arg Pro Leu Pro
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Ala Gly Ala Ser Trp His Arg Pro Asp Lys Cys Cys Leu Gly Tyr Gln
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Lys Arg Pro Leu Pro
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Leu	Gly	Ala	Ser	Ala	His	Arg	Pro	Asp	Lys	Cys	Cys	Leu	Gly	Tyr	Gln
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Lys	Arg	Pro	Leu	Pro											
					20										

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Leu	Gly	Ala	Ser	Trp	His	Ala	Pro	Asp	Lys	Cys	Cys	Leu	Gly	Tyr	Gln
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Lys	Arg	Pro	Leu	Pro											
					20										

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Leu	Gly	Ala	Ser	Trp	His	Arg	Pro	Asp	Ala	Cys	Cys	Leu	Gly	Tyr	Gln
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Lys	Arg	Pro	Leu	Pro											
					20										

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Leu	Gly	Ala	Ser	Trp	His	Arg	Pro	Asp	Lys	Ala	Cys	Leu	Gly	Tyr	Gln
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Lys	Arg	Pro	Leu	Pro											
					20										

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1 5 10 15
Lys Arg Pro Leu Pro
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1 5 10 15
Lys Ala Pro Leu Pro
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<400> 20
Pro Leu Pro Arg Lys Gln Tyr Gly Leu Cys Cys Lys Asp Pro Arg His
1 5 10 15
Trp Ser Ala Gly Leu
20

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<400> 21
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1 5 10 15
Lys Arg Pro Leu Pro
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<400> 22
Pro Leu Pro Arg Lys Gln Tyr Gly Leu Cys Cys Lys Asp Pro Arg His
1 5 10 15
Trp Ser Ala Gly Leu
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<210> 23
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<400> 23
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Lys Arg Pro Leu Pro
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Lys Arg Pro Leu Pro
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Lys	Arg	Pro	Leu	Pro											
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Lys	Arg	Pro	Leu	Pro											
				20											

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Leu	Gly	Ala	Ser	Trp	His	Ala	Pro	Asp	Lys	Cys	Cys	Leu	Gly	Tyr	Gln
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Lys	Arg	Pro	Leu	Pro											
				20											

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Lys	Arg	Pro	Leu	Pro											
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Lys Ala Pro Leu Pro
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Lys Arg Pro Leu Pro
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Leu Gly Ala Ser Trp His Arg Pro Asp Lys
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